

# INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/IB 03/05215

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04B1/16 H04B1/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 833 715 A (SAKAI TSUNEO) 23 May 1989 (1989-05-23) column 4, line 10 - line 33; figures 1,3 -----	1,2,8,10
Y	US 4 198 543 A (HAMMOND ARTHUR R ET AL) 15 April 1980 (1980-04-15) abstract; figure 2 column 3, line 32 -column 5, line 2 -----	1,2,8,10
A	US 5 714 918 A (MENKHOFF ANDREAS) 3 February 1998 (1998-02-03) column 4, line 32 - line 56; figure 4 -----	1,8
A	US 4 471 318 A (AKAGIRI KENZO) 11 September 1984 (1984-09-11) abstract; figure 3 column 5, line 40 -column 6, line 53 -----	1,8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

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12/02/2004

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

Internal Application No  
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